

To: Barnes, Edlynzia[Barnes.Edlynzia@epa.gov]
From: Kumar, Ashij (EC)
Sent: Thur 9/22/2016 12:46:51 PM
Subject: RE: Source files for some PRP images? FW: PRP Issues for Section 508 Compliance

My email bounced back from Amy.. can you resend to Amy along with NS Framework flow diagram if all is ok on that one now.. also you may need to adjust the notes re. Fig 13 if you've found alternatives/high res images of these.

From: Kumar, Ashij (EC)
Sent: September 22, 2016 8:40 AM
To: 'Thomas, Amy E'; Schardt, James; Barnes, Edlynzia
Subject: RE: Source files for some PRP images? FW: PRP Issues for Section 508 Compliance

Fig 2 attached.

Fig 5: I sent 4 images (attached) and 1 flow diagram to Jamie & Lynzi but there may be some question re. the flow diagram in particular so didn't attach that yet

Fig 13: I sent some notes to Jamie & Lynzi re. these:

- Lake Huron – image at www.healthylakehuron.ca seems better quality but not sure it meets the standard
- Camp 43 Dam on the Black Sturgeon River – see few images from GLEC members on [google image search](#) but not sure if high res enough
- Bloater Fish Stocking – USFW photo from <https://www.fws.gov/midwest/news/bloater.html> / <https://www.fws.gov/midwest/fisheries/fishlines-2015-03-26/feature2.html>... Replace with another suitable high res image?
- Lake Herring Restoration is EPA image – you may need a new high res image of Herring.. can't find many on [google image search](#)
- Western Basin Conservation Vision – they may need to create a new image from that [website link](#); the image is low res on the website

From: Thomas, Amy E [<mailto:Thomasa@battelle.org>]
Sent: September 22, 2016 8:22 AM
To: Kumar, Ashij (EC); Schardt, James; Barnes, Edlynzia
Subject: RE: Source files for some PRP images? FW: PRP Issues for Section 508 Compliance

Thank you, Ashij! I think the only ones left now are **Figures 2, 5, 13 (and 10)**.

Thanks for your help.

Amy

From: Kumar, Ashij (EC) [<mailto:ashij.kumar@canada.ca>]
Sent: Thursday, September 22, 2016 8:16 AM
To: Thomas, Amy E <Thomasa@battelle.org>; Schardt, James <schardt.james@epa.gov>; Barnes, Edlynzia <Barnes.Edlynzia@epa.gov>
Subject: RE: Source files for some PRP images? FW: PRP Issues for Section 508 Compliance

Amy, attached is Fig 9 from one of the authors – you should be able to change the colours on this as needed.

Fig 10 is an image from NOAA.. Jamie/Lynzi you may need to follow up with NOAA as I doubt Gavin on our side has the source file.

From: Thomas, Amy E [<mailto:Thomasa@battelle.org>]

Sent: September 22, 2016 8:01 AM
To: Barnes, Edlynzia
Cc: Schardt, James; Kumar, Ashij (EC)
Subject: RE: Source files for some PRP images? FW: PRP Issues for Section 508 Compliance

Could we also get the original source files for **Figures 9 and 10**? Both figures are charts that use different colors. To make 508 compliant, we need to change the colors used in the source files (one color, different shades). Could you send the actual charts in Excel or other format?

Thank you,

Amy

From: Barnes, Edlynzia [<mailto:Barnes.Edlynzia@epa.gov>]
Sent: Wednesday, September 21, 2016 2:01 PM
To: Thomas, Amy E <Thomasa@battelle.org>
Cc: Schardt, James <schardt.james@epa.gov>; Kumar, Ashij (EC) <ashij.kumar@canada.ca>
Subject: RE: Source files for some PRP images? FW: PRP Issues for Section 508 Compliance

Hi Amy

I've attached two .jpgs of figure 8 and figure 21 that are high resolution images. Please let me know if these will provide better color contrast.

Thanks,

Lynzi

From: Thomas, Amy E [<mailto:Thomasa@battelle.org>]
Sent: Wednesday, September 21, 2016 10:10 AM
To: Schardt, James <schardt.james@epa.gov>
Cc: Laplante, Elizabeth <LaPlante.Elizabeth@epa.gov>
Subject: PRP Issues for Section 508 Compliance
Importance: High

Hi Jamie,

We have encountered a few issues in making the PRP 508 compliant. Some we have resolved, but others need your input. Please confirm our approach to resolving the issues below (see black bolded text) and send needed files or information (see bold red text). Let me know if you have any questions.

1. We need **editable source files and/or high resolution images for Figures 2, 5, 8, 13 and 21**. These figures are not compliant with Section 508 because of poor color contrast and/or blurry text.

2. Please send the **ISSN, Cat. No. and © information** for the report as soon as possible. The report currently has placeholders for these items.

3. The following color changes were required to make Tables 1-4 Section 508 compliant.
 - Tables cannot include blank cells. Also, using color coding to represent data in a table is not compliant. All cells in a table must include the text that represents that cell; if a cell is blank, a dash or other text must be inserted to alert assistive technology that the cell should not be skipped. If using color coded cells to represent data presented in a legend (as in the case of Tables 1-4), the table should be converted to an image and tagged as a chart (instead of a table).



 - Charts cannot use different colors to represent information. Charts must use the same color with different degrees of darkness and/or use patterns to represent information. Colorblind individuals can distinguish between different levels of darkness but cannot distinguish different colors. **For Tables 1 and 3, the three colors used were changed to three colors (dark blue, light blue and white). For Tables 2 and 4, the four colors used were changed to three shades of blue and white.** Below is an example of Table 1 as an image with the colors replaced.

 - The colors used in **Figure 20** are also non-compliant. Similar to the example above, **the colors were changed to different shades of blue** to assist colorblind individuals in distinguishing between the cells.

4. **Figures 6, 12, 15 and 16 are tagged as decorative images** because they are example

images of reports/newsletters that do not convey data. Decorative images may be used in a 508 compliant PDF if they are for representational (or decorative) purposes. (If not tagged as decorative, we would need editable source files or high resolution images to make these figures 508 compliant.)

AOC	Restrictions on fish & wildlife consumption	Tainting of fish & wildlife flavour	Degradation of fish & wildlife populations	Fish tumours or other deformities	Bird/animal deformities or reproduction problems	Degradation of benthos	Restrictions on dredging activities	Eutrophication or undesirable algae	Restrictions - drinking water consumption, taste/odour problems	Beach Closings	Degradation of aesthetics	Added costs to agriculture or industry	Degradation of phyto- and zooplankton populations
Thunder Bay												2004	
Nipigon Bay - Completed		1995	2016	1995		2016	1995	2016			2016		
Jackfish Bay - In Recovery				2010	2010		1998						
Peninsula Harbour				2012			2012						
St. Marys River					2016								
Spanish Harbour - In Recovery			1999		1999					1999		1999	1999
Severn Sound - Delisted	2002		2002				2002	2002			2002		
Collingwood Harbour - Delisted	1994		1994		1994	1994	1994	1994		1994	1994		1994
St. Clair River		2011									2016	2012	
Detroit River		2014							2011	2016	2016	2011	
Wheatley Harbour - Delisted	2010		2010			2010	2010	2010					
Niagara River				2009	2009		2009						
Hamilton Harbour													
Toronto and Region				2011	2011	2016	2016						
Port Hope Harbour													
Bay of Quinte													
St. Lawrence River		1997			2007	2007	2007		1997		1997	1997	
Original Total	15	4	15	9	9	15	17	10	4	11	12	5	4
Total Removed	3	4	5	5	7	5	9	4	2	3	6	5	2
Remaining Total	12	0	10	4	2	10	8	6	2	8	6	0	2

 BUI Removed
  BUI Impaired

Thank you,

Amy Thomas

Principal Research Scientist

Advanced Analytics and Health Research

Office: 614.424.3431| Fax: 614.458.3431

thomasa@battelle.org

Battelle

505 King Avenue

Columbus, OH 43201

<http://www.battelle.org>

Connect with Battelle

[Facebook](#) | [LinkedIn](#)

[Twitter](#) | [YouTube](#)

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and/or otherwise exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering the message to the intended recipient, any disclosure, dissemination, distribution, copying or other use of this communication or its substance is prohibited. If you have received this communication in error, please return to the sender and delete from your computer system.